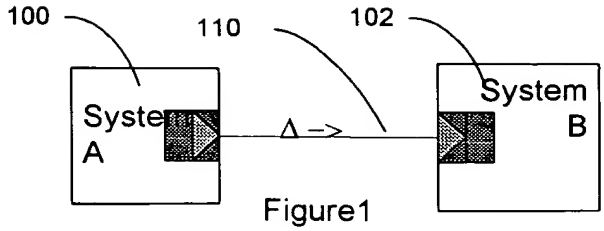
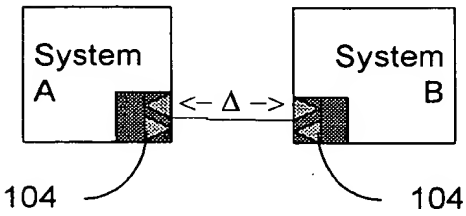


Figure1

Figure 2



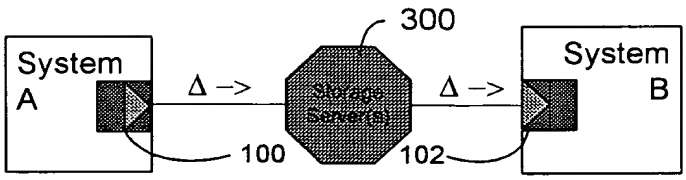


Figure 3

Figure 4

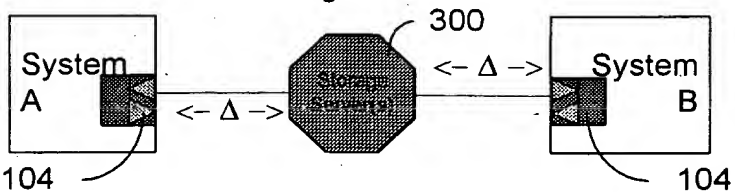


Figure 5

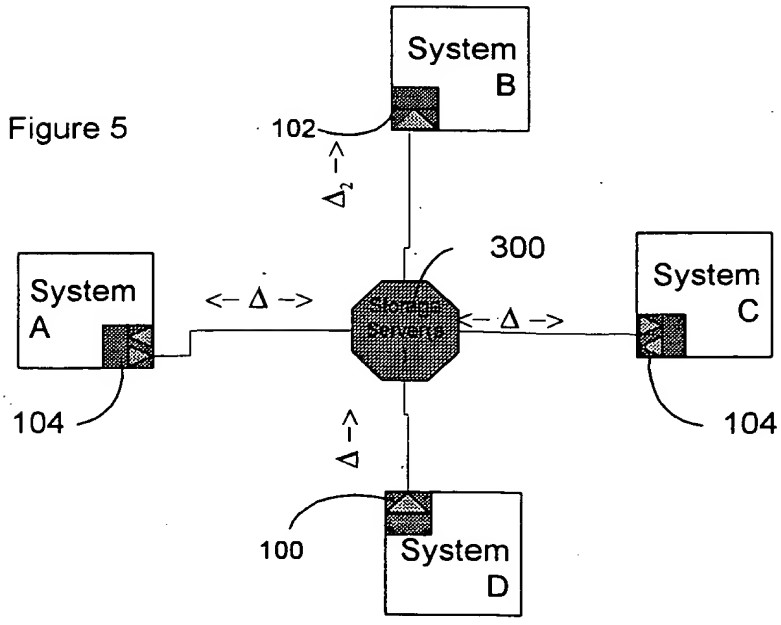


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Figure 6

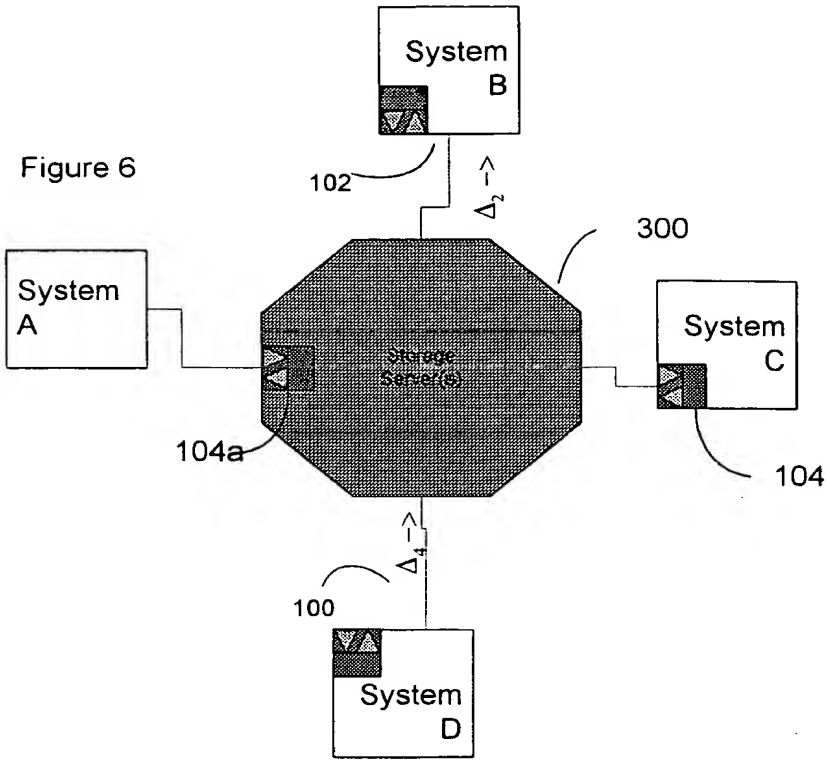


Figure 7

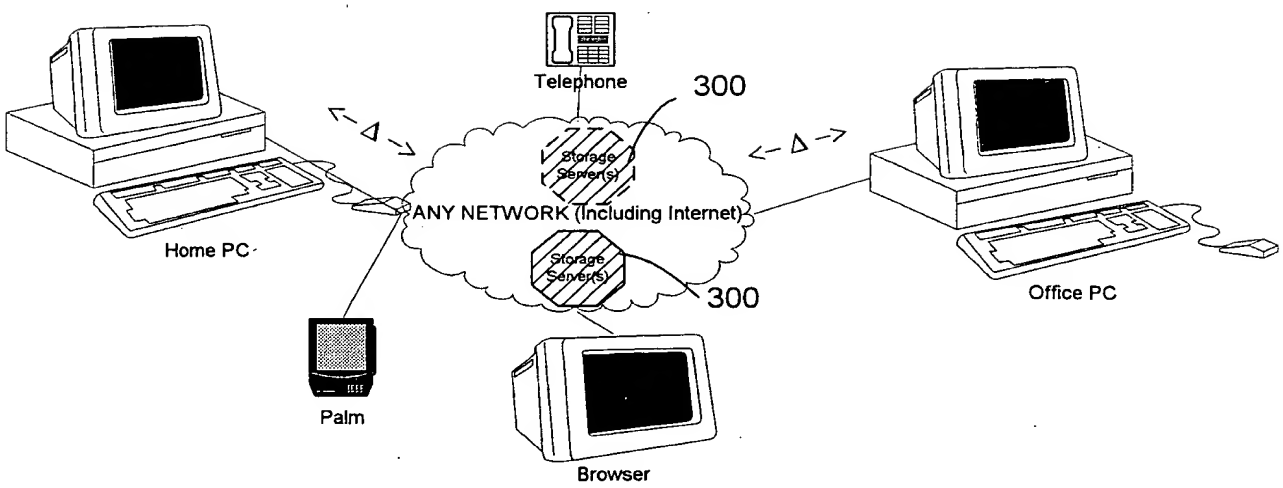


Figure 8

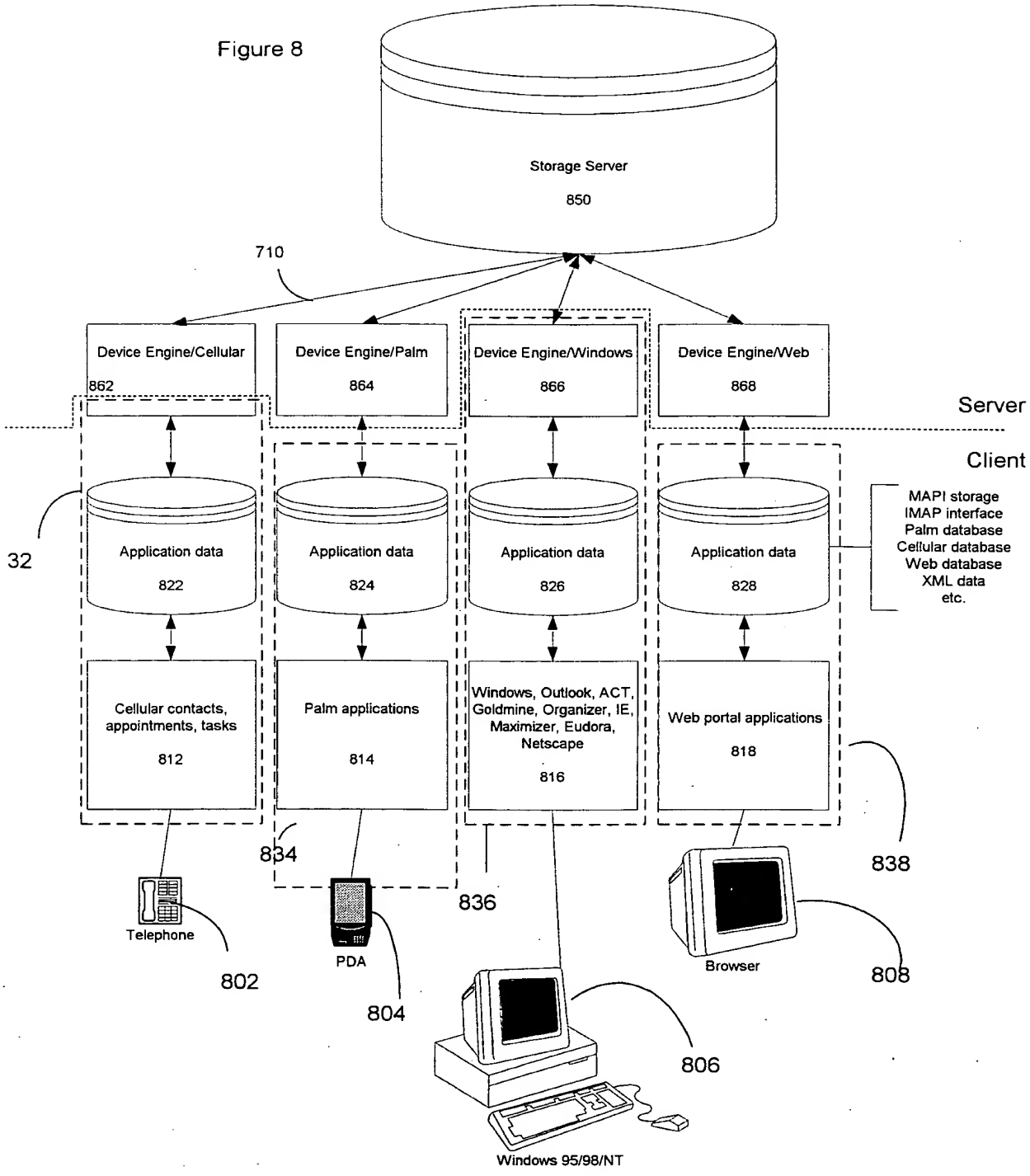

Storage Server
850
710
Device Engine/Cellular
862
Device Engine/Palm
864
Device Engine/Windows
866
Device Engine/Web
868
Server
Client
32
Application data
822
Application data
824
Application data
826
Application data
828
MAPI storage
IMAP interface
Palm database
Cellular database
Web database
XML data
etc.
Cellular contacts, appointments, tasks
812
Palm applications
814
Windows, Outlook, ACT, Goldmine, Organizer, IE, Maximizer, Eudora, Netscape
816
Web portal applications
818
834
836
838
Telephone
802
PDA
804
Browser
808
806
Windows 95/98/NT

Figure 9A
Desktop
Device Engine

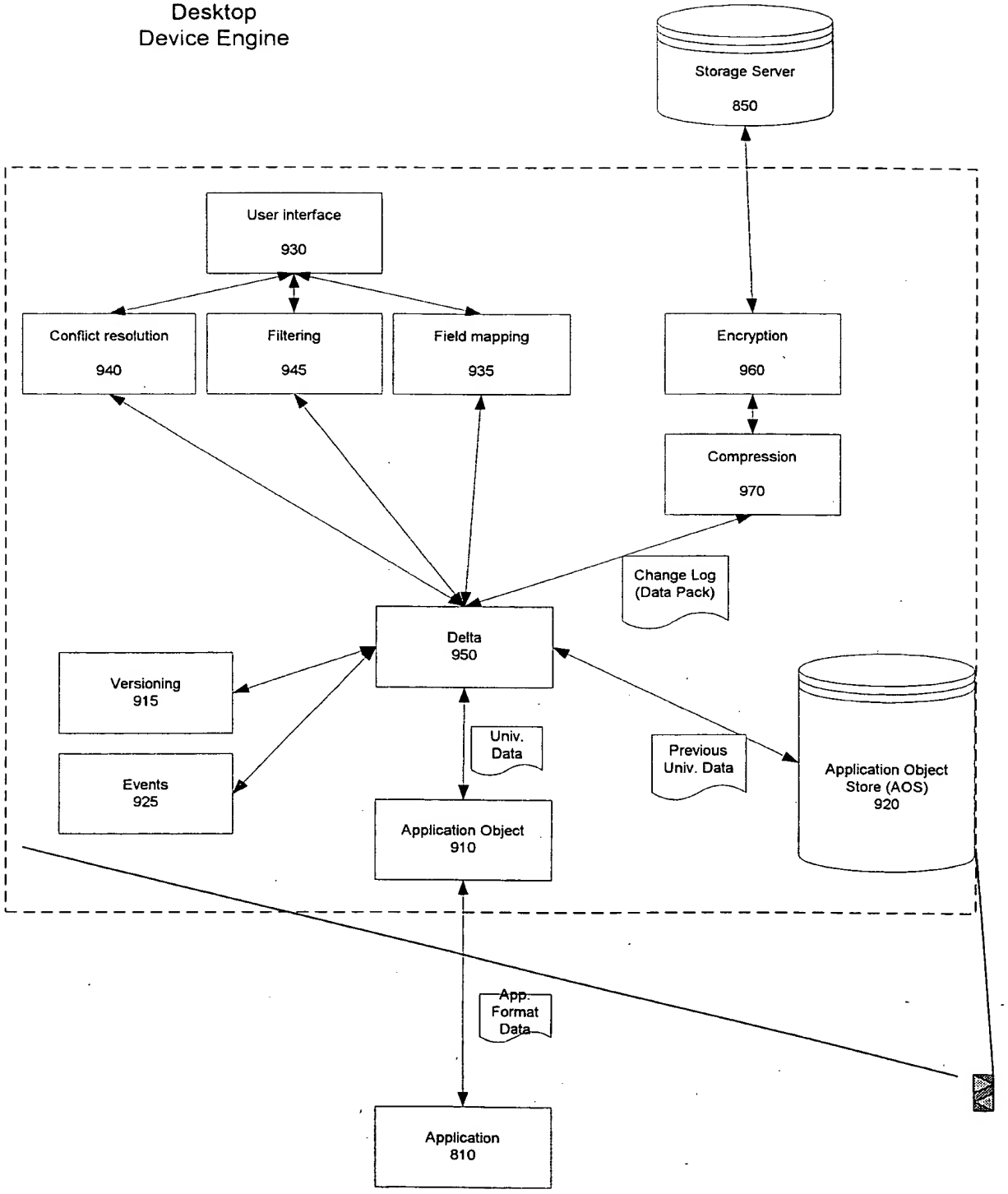
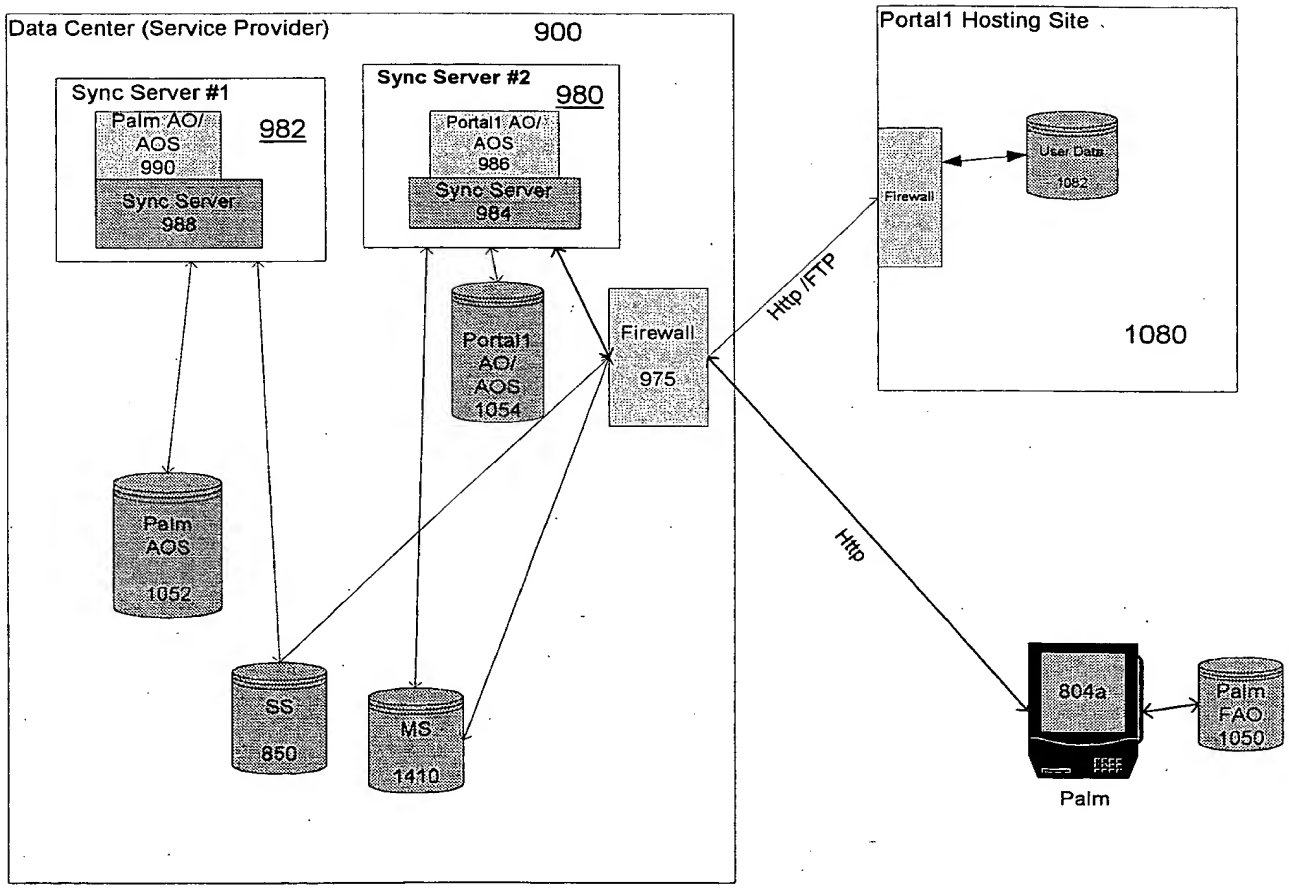


Figure 9B


Data Center (Service Provider)
900
Sync Server #1
Palm AO/ AOS 990
982
Sync Server 988
Sync Server #2
980
Portal1 AO/ AOS 986
Sync Server 984
Portal1 AO/ AOS 1054
Firewall 975
Palm AOS 1052
SS 850
MS 1410
Http /FTP
Portal1 Hosting Site
Firewall
User Data 1082
1080
Http
804a
Palm FAO 1050
Palm

09753643 - 040204

Device Engine/Windows

Figure 10

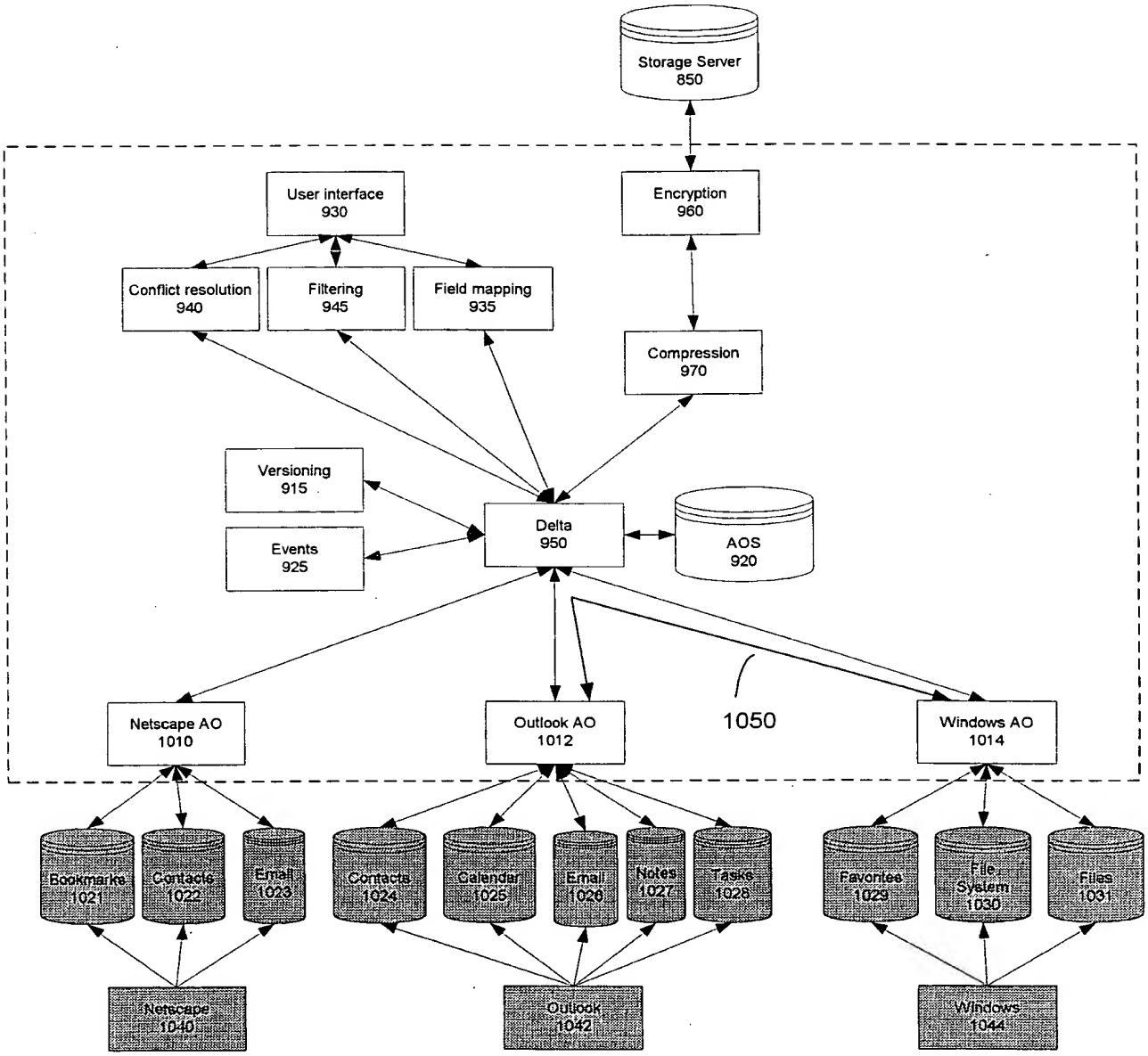
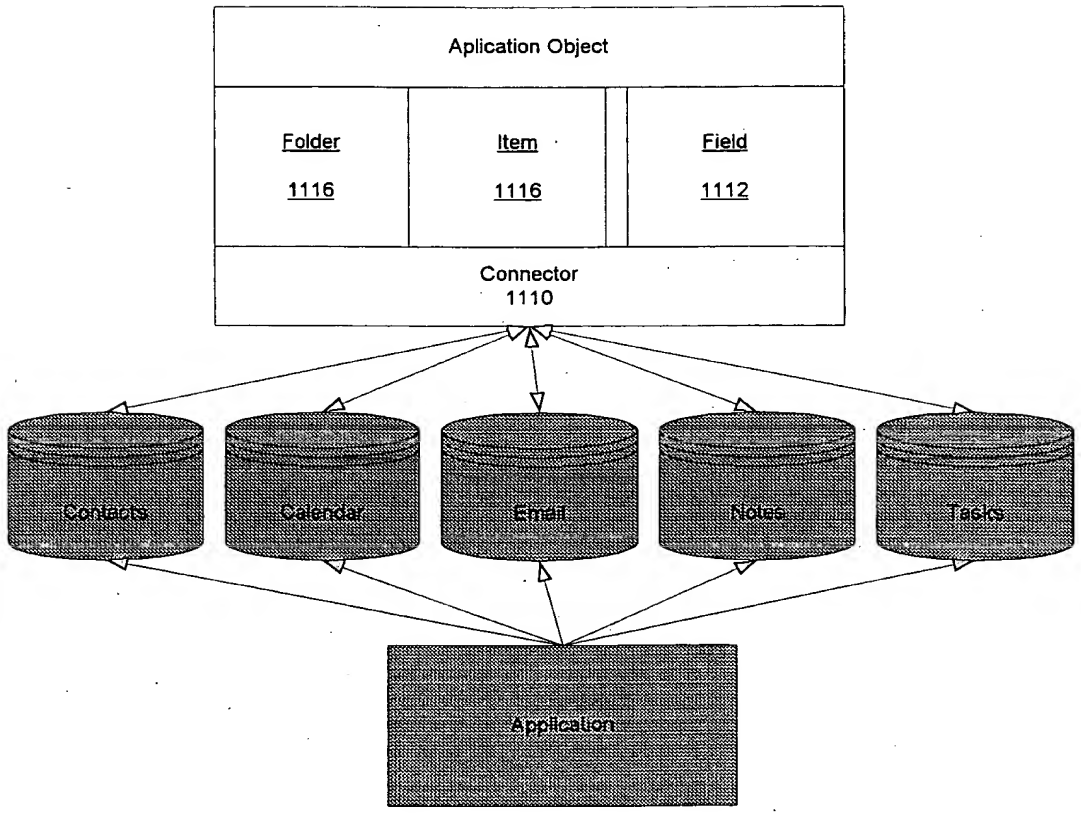


Figure 11


Aplication Object
Folder
1116
Item
1116
Field
1112
Connector
1110
Contacts
Calendar
Email
Notes
Tasks
Application

Patent Pending

Figure 12
Object Hierarchy

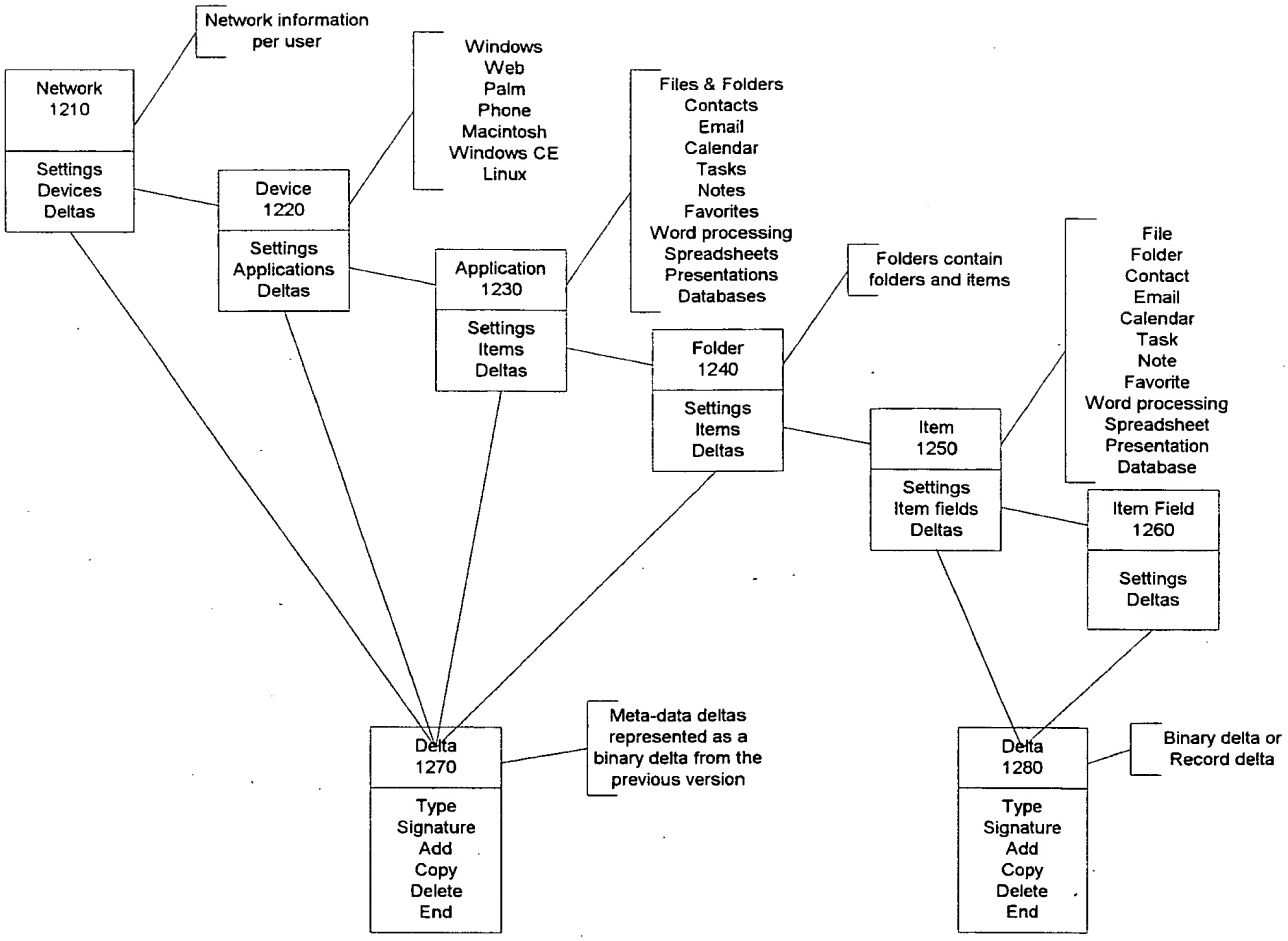


Figure 13

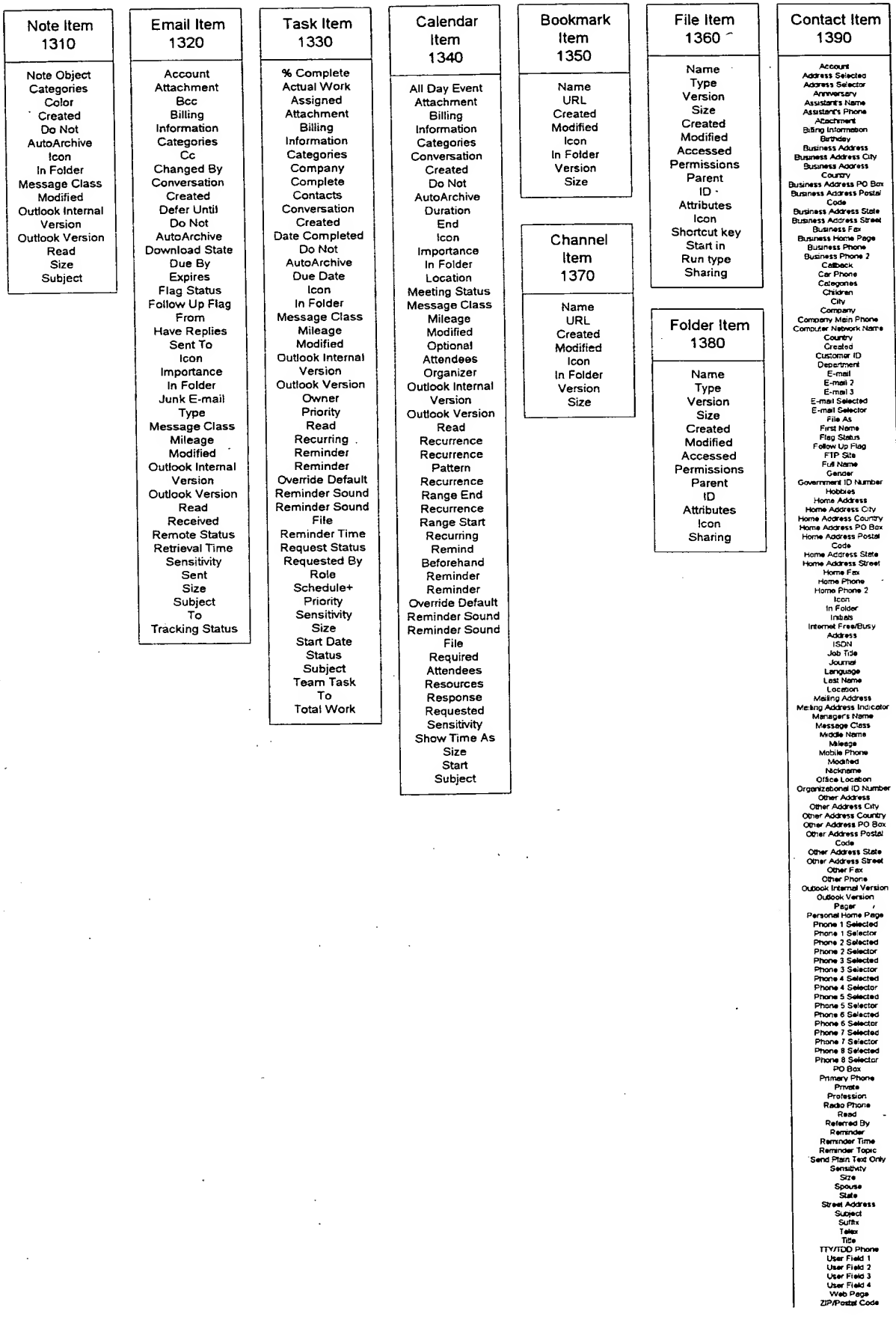


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Figure 14

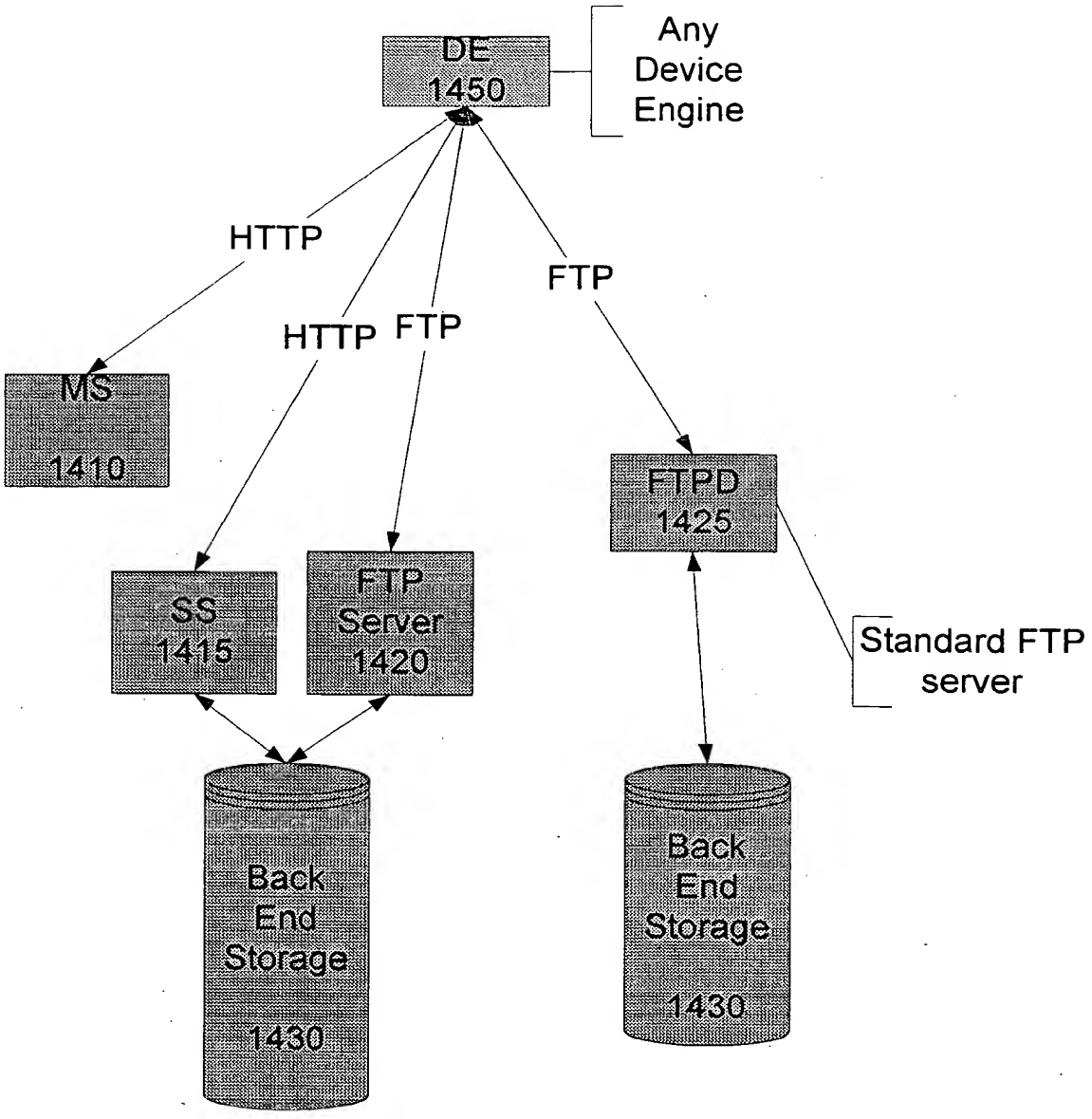
DE
1450
Any
Device
Engine
HTTP
HTTP
FTP
FTP
MS
1410
SS
1415
FTP
Server
1420
FTPD
1425
Standard FTP
server
Back
End
Storage
1430
Back
End
Storage
1430

Figure 15
Pull Synchronization

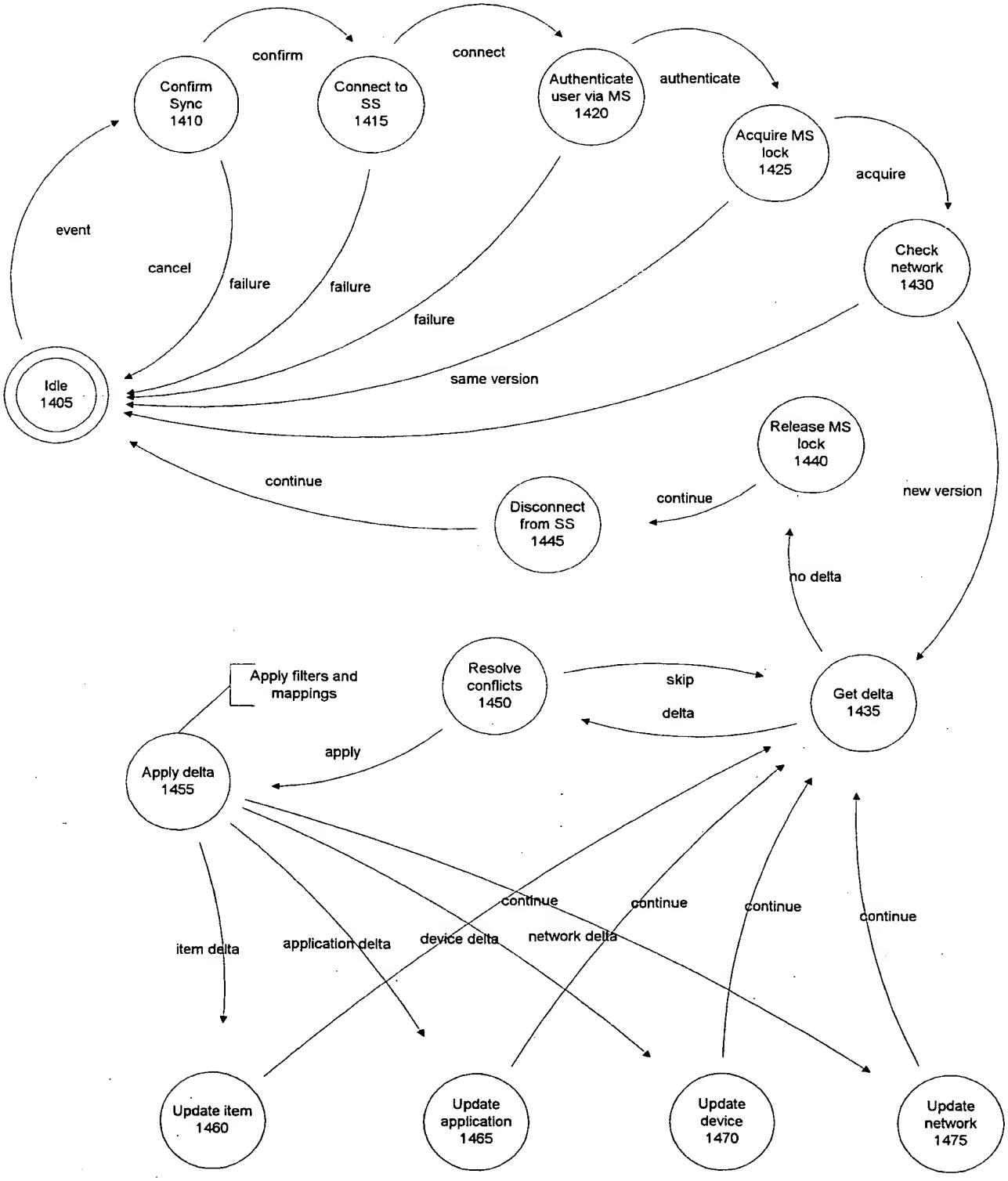

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Figure 16
Push Synchronization

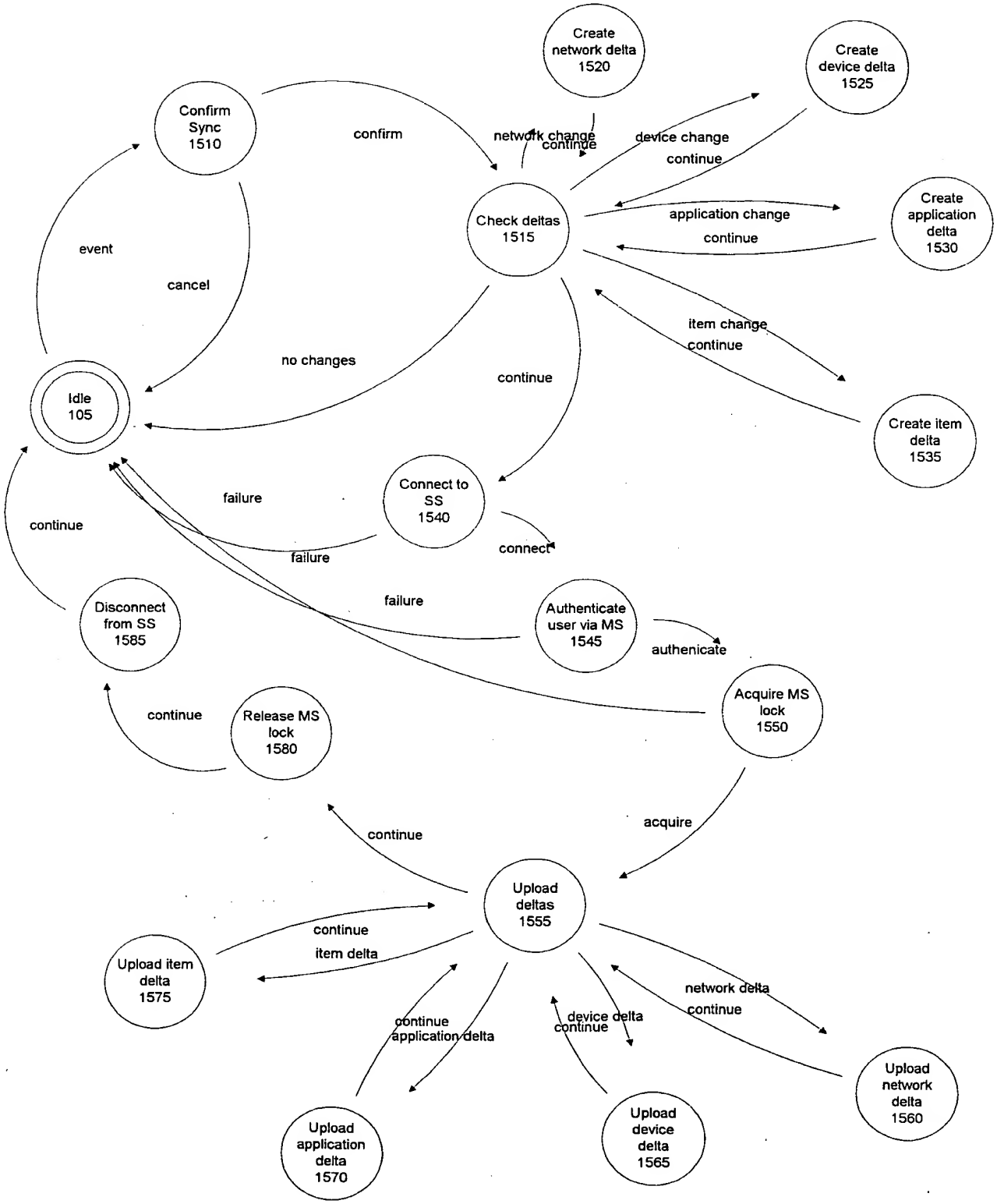
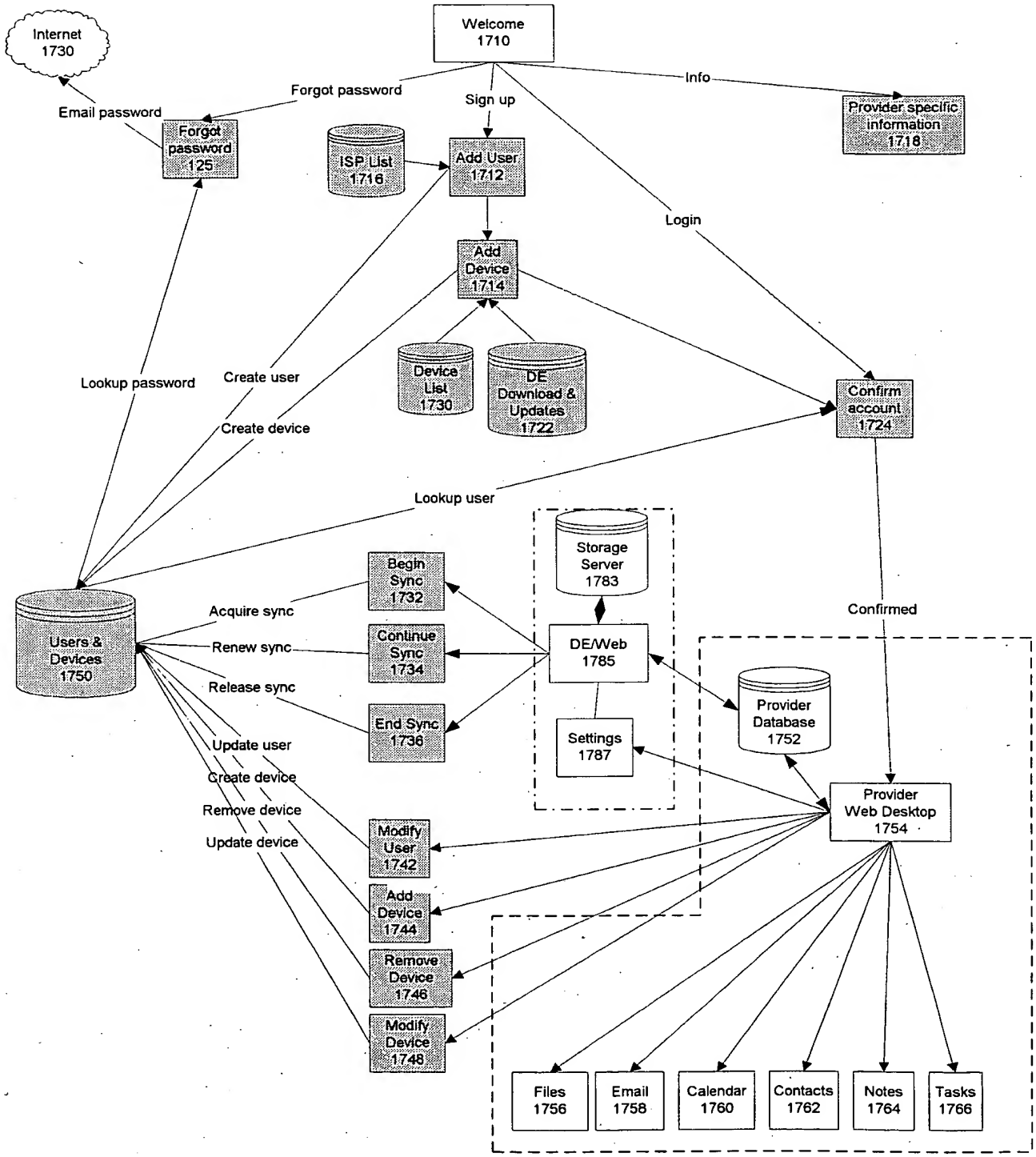


Figure 17


Internet 1730
Welcome 1710
Forgot password
Info
Email password
Sign up
Forgot password 125
ISP List 1716
Add User 1712
Provider specific information 1718
Login
Add Device 1714
Lookup password
Create user
Create device
Device List 1730
DE Download & Updates 1722
Confirm account 1724
Lookup user
Storage Server 1783
Begin Sync 1732
Acquire sync
Users & Devices 1750
Renew sync
Continue Sync 1734
DE/Web 1785
Release sync
End Sync 1736
Settings 1787
Provider Database 1752
Confirmed
Update user
Create device
Remove device
Update device
Provider Web Desktop 1754
Modify User 1742
Add Device 1744
Remove Device 1746
Modify Device 1748
Files 1756
Email 1758
Calendar 1760
Contacts 1762
Notes 1764
Tasks 1766